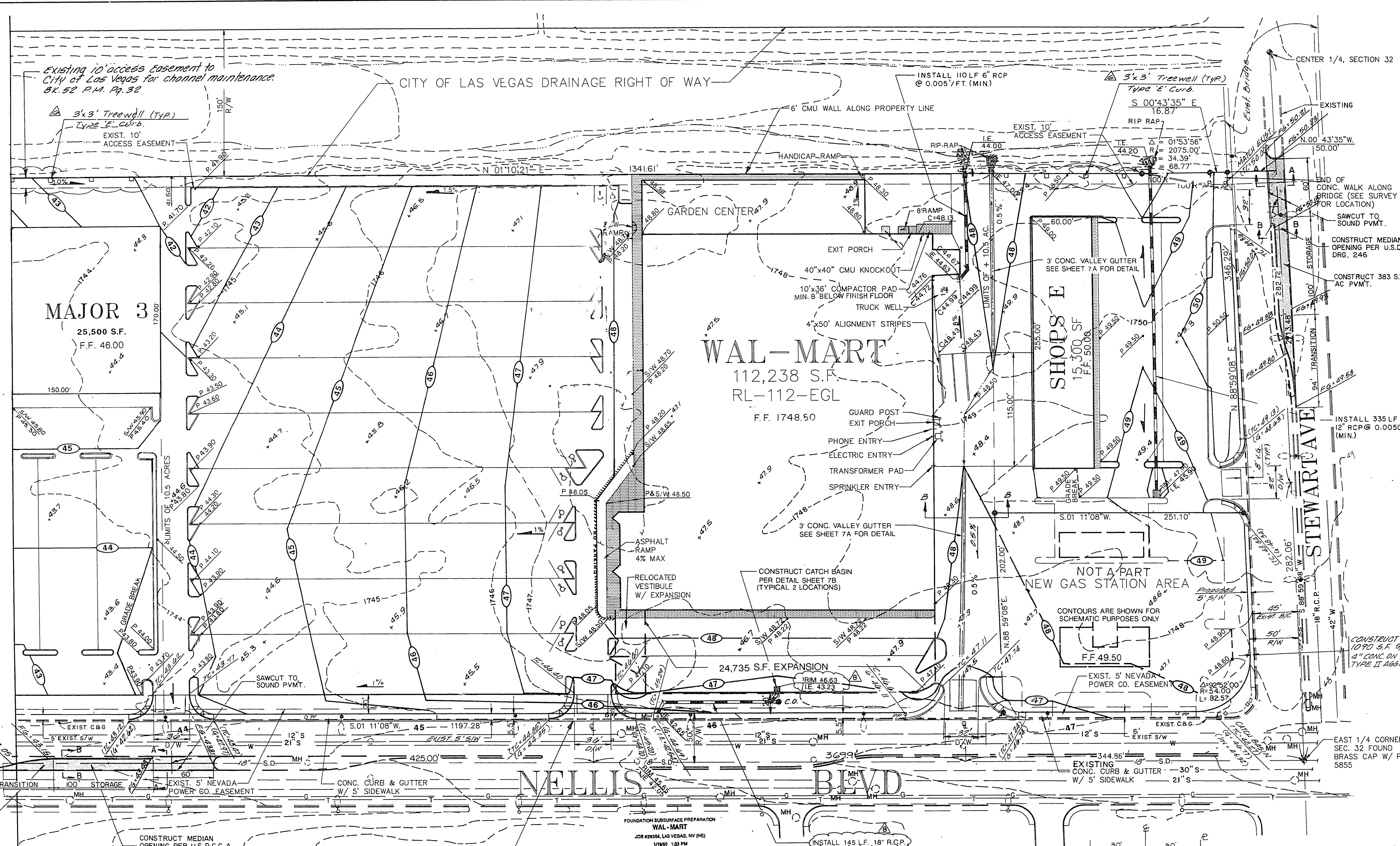


MATCH LINE SEE SHEET 3A



Existing 10' access easement to City of Las Vegas for channel maintenance. 51.52 P.M. Pg. 32

CITY OF LAS VEGAS DRAINAGE RIGHT OF WAY

MAJOR 3
25,500 S.F.
F.F. 46.00

WAL-MART
112,238 S.F.
RL-112-EGL
F.F. 1748.50

SHOPS E
15,300 S.F.
F.F. 50.00

24,735 S.F. EXPANSION

NOT A PART
NEW GAS STATION AREA

STEWART AVE

NELLIS BLVD

LEGEND

- P 48.00 PROP PAVEMENT ELEVATION
- S/W 48.50 PROP SIDEWALK ELEVATION
- 47 NATURAL GROUND
- 47 PROP CONTOUR ELEVATION
- C 48.50 EXISTING CONTOUR
- F.F.=1748.80 PROP CONCRETE ELEVATION
- C.D. PROP DRAINAGE PIPE
- PROP CLEANOUT
- PROPERTY CORNER

NOTE:
RIM ELEVATIONS FOR CLEAN OUTS IN LANDSCAPE AREAS TO BE COORDINATED WITH LANDSCAPER TO INSURE ACCESSIBILITY AFTER CONSTRUCTION OF BERMS.

CAUTION - NOTICE TO CONTRACTOR
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

NOTE:
SEE LANDSCAPE PLAN FOR ADDITIONAL GRADING OF BERMS IN LANDSCAPED AREAS
DRIVEWAY ENTRANCES TO BE CONSTRUCTED IN ACCORDANCE WITH "UNIFORM STANDARD DRAWINGS" CLARK COUNTY AREA. SAWCUTS SHALL BE PER OFFSITE INSPECTORS INSTRUCTIONS (TYPICAL)

NOTE: THIS DRIVEWAY WILL BE CLOSED AT TIME OF EXPANSION

FOUNDATION SUBSURFACE PREPARATION
WAL-MART
JOB #29354, LAS VEGAS, NV (NE)
1/18/99 1:33 PM
RONALD G. JANTZ, WALLAGE ENGINEERING - STRUCTURAL CONSULTANTS

THE FINAL SUBGRADE ELEVATION SHALL BE ESTABLISHED AT 14 INCHES BELOW FINISHED FLOOR. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ACCURATE MEASUREMENTS FOR ALL CUT AND FILL DEPTHS REQUIRED.

AFTER STRIPPING ANY EXISTING FILL SOILS AND/OR SOFT, LOOSE, AND DISTURBED NATIVE SOILS, THE EXPOSED POROUS NATIVE SOILS SHALL BE EXCAVATED TO PROVIDE A ZONE OF STRUCTURAL FILL. THE ZONE OF STRUCTURAL FILL BELOW FOOTINGS SHALL EXTEND TO A DEPTH OF 24 INCHES BELOW CONTINUOUS FOOTINGS AND 12 INCH BELOW ISOLATED FOOTINGS (MINIMUM 6" BELOW TO THE FOOTING NOTE, WITH A MINIMUM DEPTH OF 30 INCHES AND A MAXIMUM DEPTH OF 4 FEET. THE ZONE OF STRUCTURAL FILL BELOW FLOOR SLABS SHALL EXTEND TO A DEPTH OF AT LEAST 8 INCHES BELOW FLOOR SLAB SUPPORTIVE GRAVEL. THE ZONE OF STRUCTURAL FILL SHALL EXTEND AT LEAST 5 FEET LATERALLY BEYOND THE OUTSIDE EDGE OF THE EXTERIOR FOOTINGS.

BEFORE PLACING THE STRUCTURAL FILL, THE NATIVE SOILS SHALL BE SCARIFIED TO A DEPTH OF AT LEAST 6 INCHES, MOISTURE CONDITIONED TO WITHIN 1 PERCENT OF THE OPTIMUM MOISTURE CONTENT FOR SANDY SOILS AND TO BETWEEN 3 AND 5 PERCENT ABOVE OPTIMUM MOISTURE CONTENT FOR CLAYEY AND SILTY SOILS. THEY SHALL THEN BE RECOMPACTED TO AT LEAST 90 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557) FOR SANDY SOILS AND BETWEEN 85 AND 90 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557) FOR CLAYEY AND SILTY SOILS.

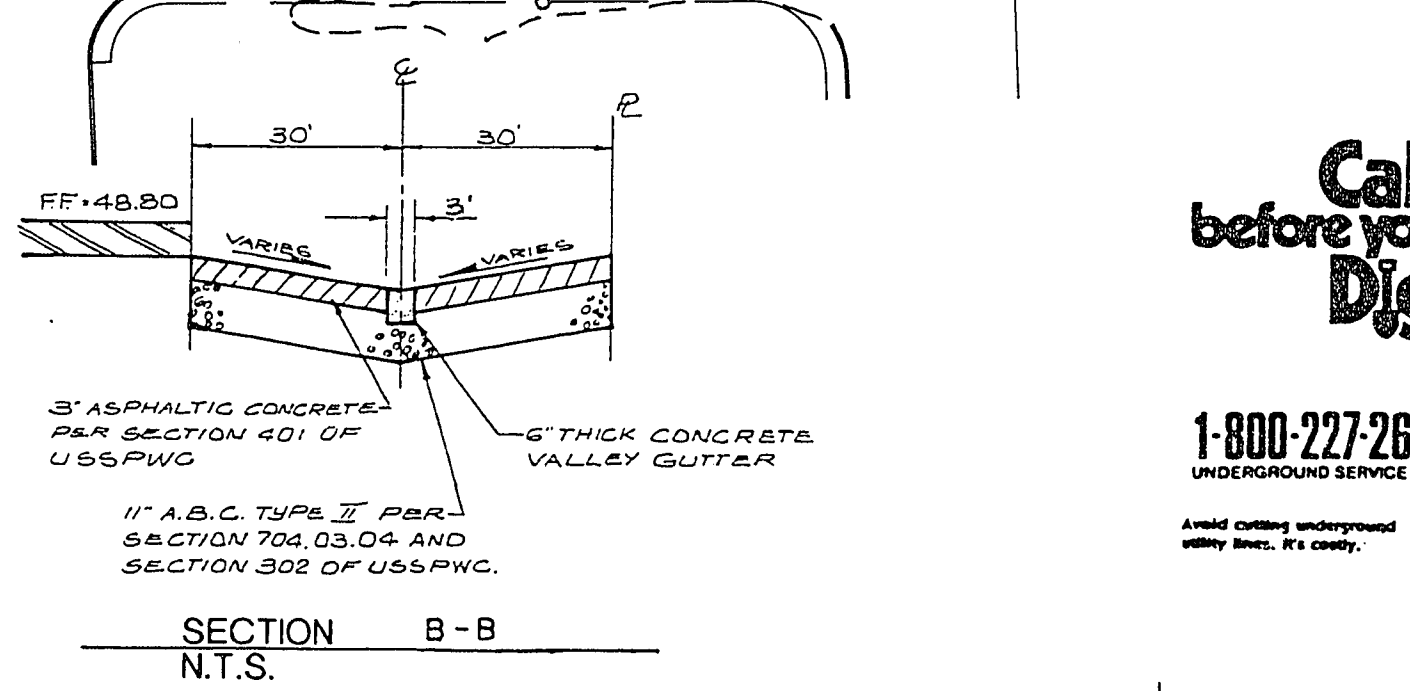
STRUCTURAL FILL PLACED BELOW FOOTINGS SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557) AT A MOISTURE CONTENT WITHIN 2 PERCENT OF THE OPTIMUM FOR SANDY SOILS AND BETWEEN 3 AND 5 PERCENT ABOVE THE OPTIMUM FOR CLAYEY AND SILTY SOILS. ALL OTHER STRUCTURAL FILL IN THE BUILDING AREA SHALL BE COMPACTED TO BETWEEN 85 AND 90 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557) AT MOISTURE CONTENTS MEETING THE REQUIREMENTS STATED ABOVE.

ALL STRUCTURAL FILL MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS: BE FREE OF ORGANICS, SALTS, GYPSUM OR INERT MATERIALS LARGER THAN 4 INCHES, HAVE AT LEAST 40 PERCENT PASSING THE NO. 200 SIEVE, A SWELL POTENTIAL LESS THAN 8 PERCENT, A MAXIMUM WATER SOLUBLE SULFATE PERCENTAGE LESS THAN 0.5 PERCENT, AND A SOLUBILITY OF LESS THAN 2 PERCENT. THE ON SITE GYPSIFEROUS SOILS (HAVING A SOLUBILITY GREATER THAN 2 PERCENT) SHALL BE THOROUGHLY BLENDED WITH NON-GYPSIFEROUS SOILS AT THE FOLLOWING RATIOS BEFORE BEING RE-USED AS COMPACTED STRUCTURAL FILL:

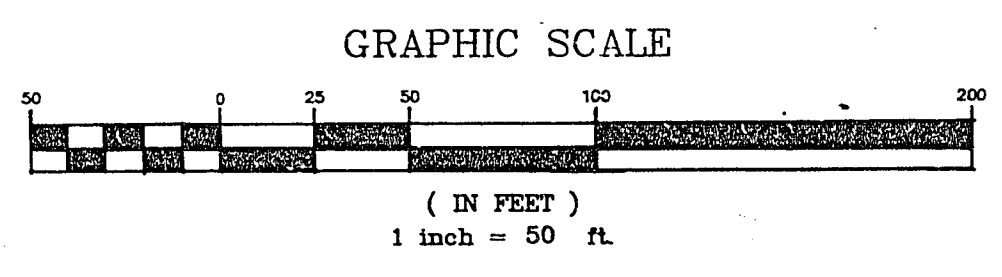
PERCENT SOLUBLE GYPSUM	NON-GYPSIFEROUS GYPSIFEROUS (BASED ON SOLUBILITY)
2 TO 4	1:1
4 TO 8	2:1
ABOVE 8	CANNOT BE USED AS FILL

THE FOUNDATION SYSTEM SHALL BE ISOLATED SPREAD FOOTINGS AS COLLUMS AND CONTINUOUS SPREAD FOOTINGS AT WALLS. UNDER ALL BUILDING SLABS, THE BUILDING CONTRACTOR SHALL PLACE 2 INCHES OF SAND OVER A 10 MIL POLYETHYLENE VAPOR BARRIER OVER AN 8 INCH LAYER OF COMPACTED GRAVEL (TYPE 1 OR TYPE 2 AGGREGATE BASE OR PIT-RUN GRAVEL WITH A 2 INCH MAXIMUM PARTICLE SIZE).

THIS FOUNDATION SUBSURFACE PREPARATION DOES NOT CONSTITUTE A COMPLETE SITE WORK SPECIFICATION. INFORMATION COVERED IN THIS PREPARATION SHALL GOVERN OVER THE WAL-MART SPECIFICATIONS. REFER TO THE SPECIFICATIONS FOR SPECIFIC INFORMATION NOT COVERED IN THIS PREPARATION.



SECTION B-B
N.T.S.



NO.	DATE	REVISION DESCRIPTION
1	1/17/99	REVISED PER WAL-MART
2	1/18/99	RELOCATE WALM BLDG 5' EAST
3	2/1/99	REVISED PER WAL-MART
4	2/1/99	MEDIAN OPENINGS
5	2/1/99	REVISED PER NEW S.C. SITE PLAN
6	1/17/99	ADDED TREEWELLS

DATE:

WAL-MART GRADING PLAN
WAL-MART NELLIS AND CHARLESTON

SHEET TITLE
PROJECT TITLE

DUNAWAY ASSOCIATES WEST INC
ENGINEERS
LANDSCAPE ARCHITECTS
PLANNERS
FORT WORTH, TX
4500 S. LAKESHORE DRIVE
SUITE 215
TEMPE, ARIZONA 85282
(602) 349-0383 FAX (602) 491-2581

JOB NO. 8921900
DESIGN BY: PLN
CHECKED BY: FSW
DATE: DEC 1989
SCALE: 1" = 50'
SHEET 38 OF 10 SHEETS

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

107V1796 28-3-45